

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for SABINENE

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Abies alba</i>	Leaf	5.0	7.0	-0.2567488872230184	--
<i>Achillea millefolium</i>	Leaf	1.0	1225.0	0.5192871434052357	--
<i>Acinos alpinus</i>	Shoot		0.5	-0.2953896899441707	Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of <i>Acinus alpinus</i> (L.) Moench ssp. <i>meridionalis</i> (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.)
<i>Acinos alpinus</i>	Shoot		0.5	-0.2953896899441707	Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of <i>Acinus alpinus</i> (L.) Moench ssp. <i>meridionalis</i> (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.)
<i>Acinos suaveolens</i>	Shoot		20.0	-0.27462708173617634	Tumen, G. 1991. The Volatile Constituents of <i>Acinos suaveolens</i> (Sibt. et Smith). G. Don fil. Growing in Turkey. J. Ess. Oil Res. 3:191-2.
<i>Acorus calamus</i>	Rhizome				Pakistan Encyclopedia Planta Medica. 1986.
<i>Agathosma betulina</i>	Leaf Essent. Oil				--
<i>Aloysia citrodora</i>	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Alpinia galanga</i>	Rhizome				--
<i>Anethum graveolens</i>	Essential Oil				--
<i>Anethum graveolens</i>	Leaf	5.0	15.0	-0.25165177043728276	--
<i>Anethum graveolens</i>	Plant				--
<i>Angelica archangelica</i>	Root	2.0	95.0	0.0843149140979014	--
<i>Angelica archangelica</i>	Root Essent. Oil				--
<i>Apium graveolens</i>	Seed Essent. Oil		7600.0	-0.46016340929144367	--
<i>Apium graveolens</i>	Leaf Essent. Oil				--
<i>Apium graveolens</i>	Seed				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Aralia cordata</i>	Root		15.0	-1.2647237114685208	--
<i>Artemisia annua</i>	Leaf		1520.0	0.7072433248792381	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Artemisia herba-alba</i>	Plant				--
<i>Artemisia absinthium</i>	Plant				--
<i>Artemisia dracunculus</i>	Shoot	370.0	3700.0	3.643649749310963	--
<i>Artemisia capillaris</i>	Essential Oil				--
<i>Artemisia salsoloides</i>	Shoot		4150.0	4.1227868618031405	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsoloides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
<i>Ballota nigra</i>	Plant		4.0	-0.45128797284656097	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Boswellia sacra</i>	Resin, Exudate, Sap		94400.0		Chiavari, G., Galletti, G. C., Piccaglia, R., Mohamud, M. A. 1991. Differentiation Between Resins <i>Boswellia carterii</i> and <i>Boswellia frereana</i> (Frankincense) of Somali Origin. J. Essent. Oil Res. 3 (3):185-186.
<i>Boswellia sacra</i>	Resin Essent. Oil		3000.0		Abdel Wahab, S. M., Aboutabl, E. A., El-Zalabani, S. M., Fouad, H. A., De Pooter, H. L., El-Fallaha, B. 1987. The Essential Oil of Olibanum. Plant Med. 53 (4): 382-384.
<i>Boswellia sacra</i>	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Calamintha nepeta</i>	Shoot		13.0	-0.2820803257082769	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of <i>Calamintha nepeta</i> subsp. <i>glandulosa</i> . J. Ess. Oil Res. 4:189-190
<i>Calamintha nepeta</i>	Leaf		70.0	-0.21660909253535013	Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of <i>Calamintha nepeta</i> subsp. <i>glandulosa</i> and <i>Ziziphora clinopodioides</i> from Turkey. J. Ess. Oil Res., 3: 7-10.
<i>Capsicum annuum</i>	Fruit				--
<i>Carum carvi</i>	Seed	4.0	60.0	-0.43864204594661615	--
<i>Carum carvi</i>	Fruit	30.0	60.0	-0.5167574947017265	--
<i>Chamaemelum nobile</i>	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Chrysanthemum parthenium</i>	Shoot		5.0	-0.29059831881924897	Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of <i>Tanacetum parthenium</i> (L.) Schultz-Bip. <i>Flavor and Fragrance Journal</i> 11(6): 367-71.
<i>Chrysanthemum x morifolium</i>	Plant	4.0	17.0	-0.441840720596955	Wealth of India.
<i>Cinnamomum verum</i>	Bark	2.0	8.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Cinnamomum aromaticum</i>	Plant				--
<i>Cinnamomum verum</i>	Stem Bark				--
<i>Cinnamomum verum</i>	Root Bark				--
<i>Cinnamomum camphora</i>	Leaf	595.0	1190.0	0.4969872574676423	--
<i>Cistus ladaniferus</i>	Leaf	10.0	700.0	0.18478885434133316	--
<i>Citrus aurantium</i>	Leaf	1.0	40.0	-0.23572328048185884	--
<i>Citrus aurantium</i>	Plant				--
<i>Citrus sinensis</i>	Fruit	11.0	13.0	-0.5315196015036519	--
<i>Citrus paradisi</i>	Leaf		45.0	-0.23253758249077405	--
<i>Citrus limon</i>	Essential Oil	50.0	175.0	-0.5948547061177535	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Citrus aurantiifolia</i>	Fruit		160.0	-0.4853487568252894	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Citrus aurantium</i>	Pericarp				--
<i>Citrus sinensis</i>	Fruit Juice	0.0	0.15		--
<i>Citrus limon</i>	Petiole		95.0		--
<i>Citrus aurantium</i>	Hull Husk				List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Citrus limon</i>	Leaf Essent. Oil		10000.0	-0.4720621937310914	Jim Duke's personal files.
<i>Citrus limon</i>	Pericarp Essent. Oil				Jim Duke's personal files.
<i>Citrus paradisi</i>	Pericarp	13.0	26.0		--
<i>Citrus reticulata</i>	Fruit	32.0	35.0	-0.5246096791708357	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cleonia lusitanica	Leaf	10.0	12.0	-0.25356318923193366	Perez-Alonso, M., Velasco-Negueruela, A., and Lopez-Saez, A. 1991. The Essential Oil of Cleonia lusitanica. J. Ess. Oil Res., 3: 441-442.
Coriandrum sativum	Essential Oil				--
Coriandrum sativum	Seed Essent. Oil		1400.0	-0.4936167585696178	--
Coriandrum sativum	Fruit	1.0	83.0	-0.509533484990146	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Crocus sativus	Silk Stigma Style				--
Cuminum cyminum	Seed Essent. Oil		3200.0	-0.48390449587595435	--
Cuminum cyminum	Fruit	30.0	1014.0	-0.217118135360517	--
Cuminum cyminum	Seed	30.0	1014.0	-0.3944636041574373	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cunila origanoides	Shoot		56.0	-0.23629611273680218	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cymbopogon nardus	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Daucus carota	Seed	50.0	2000.0	-0.34880328591411414	--
Daucus carota	Root		160.0	1.1804087973706197	--
Dracocephalum thymiflora	Plant		8.0	-0.4483811260005284	--
Elettaria cardamomum	Root Essent. Oil		384000.0	-1.0	--
Elettaria cardamomum	Seed Essent. Oil		21100.0	-0.38732143908896777	--
Elettaria cardamomum	Fruit	500.0	1425.0	-0.08802822268836079	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Elettaria cardamomum	Fruit Essent. Oil	27000.0	49000.0	-0.4324265291346702	--
Elsholtzia polystachya	Leaf		0.4	-0.2609540085712503	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. Planta Medica 58: 376-379.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Elsholtzia eriostachya</i>	Shoot		0.6	-0.29528321503028354	Pant, A.K., Dev, V., Parihar, R., Mathela,C.S., Rauscher, J., Vostrowsky, O. and Bestmann, H.J. 1992. The Essential Oil from <i>Elsholtzia eriostachya</i> var. <i>pusilla</i> . <i>J. Ess. Oil Res.</i> 4: 547-549.
<i>Elsholtzia polystachya</i>	Leaf		0.4	-0.2609540085712503	Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from <i>Elsholtzia polystachya</i> from Two Different Locations in India. <i>Planta Medica</i> 58: 376-379.
<i>Elsholtzia cristata</i>	Shoot		0.1	-0.2958155895997193	Kobold, U., Vostrowsky, O., Bestmann, H.J., Bisht, J.C., Pant, A.K., Melkani, A.B. and Mathela, C.S. 1987. Terpenoids from <i>Elsholtzia</i> Species; II. Constituents of Essential Oil from a New Chemotype of <i>Elsholtzia cristata</i> . <i>Planta Medica</i> 1987: 268-271.
<i>Elsholtzia pilosa</i>	Shoot		15.0	-0.2799508274305339	--
<i>Eucalyptus largisparsa</i>	Leaf		4.6	-0.2582780222587392	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus fasciculosa</i>	Leaf	0.0	1.3	-0.2603805829328551	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus incrassata</i>	Leaf		14.0	-0.25228891003549975	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> .Part I.Subgenus <i>Sympyomyrtus</i> ,Section <i>Dumaria</i> ,Series <i>Incrassatae</i> .Flavour and Fragrance J.9(3):113-7

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus desquamata	Leaf	0.0	15.0	-0.25165177043728276	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus dolichorhyncha	Leaf		6.0	-0.2573860268212354	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus lansdowneana	Leaf		3.0	-0.25929744561588625	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus angulosa	Leaf		1.5	-0.2602531550132117	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus behriana	Leaf		2.7	-0.2594885874953513	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus sparsa	Leaf		312.0	-0.06242130976684644	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus tetraptera	Leaf		10.0	-0.2548374684283676	Bignell,C.M.,Dunlop,P.J.,Brophy,J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus melanophloia	Leaf	0.0	0.8	-0.2606991527319636	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus forrestiana	Leaf		17.0	-0.25037749124084885	Bignell,C.M.,Dunlop,P.J.,Brophy,J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus odorata	Leaf		4.4	-0.25840545017838246	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus ceratocorys	Leaf		6.0	-0.2573860268212354	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrastatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus globulus	Fruit Essent. Oil				--
Eucalyptus ochrophloia	Leaf		0.5	-0.26089029461142865	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus cuprea	Leaf		6.4	-0.25713117098194854	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus populnea	Leaf		1.8	-0.26006201313374666	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus leucoxylon	Leaf	0.0	5.5	-0.2577045966203439	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus stoatei	Leaf		23.0	-0.2465546536515471	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus erythrandra	Leaf		7.0	-0.2567488872230184	Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7
Eucalyptus viridis	Leaf	0.0	0.5	-0.26089029461142865	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus porosa	Leaf		38.0	-0.23699755967829275	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus intertexta	Leaf		5.5	-0.2577045966203439	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eupatorium triplinerve	Plant		320.0	-0.22164707200998565	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ficus carica	Leaf Essent. Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Foeniculum vulgare</i>	Fruit	1.0	60.0	-0.5167574947017265	--
<i>Foeniculum vulgare</i>	Seed	1.0	60.0	-0.43864204594661615	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Glechoma hederacea</i>	Plant	1.0	9.0	-0.4476544142890202	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Hedeoma reverchonii</i>	Plant		651.0	0.018894504499211894	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Hedeoma drummondii</i>	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Hedeoma pulegioides</i>	Plant	18.0	90.0	-0.3887907656568601	--
<i>Hedeoma hispida</i>	Plant		4.0	-0.45128797284656097	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Hedychium flavum</i>	Shoot		420.0	0.15127257381242565	--
<i>Helianthus annuus</i>	Flower				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
<i>Hesperis matronalis</i>	Flower				Nielsen, J. K., Jakobsen, H. B., Friis, P., Hansen, K., Moller, J., Olsen, C. E. 1995. Asynchronous Rhythmus in the Emission of Volatiles from <i>Hesperis matronalis</i> Flowers. <i>Phytochemistry</i> , 38(4): 847-851.
<i>Hyptis spicata</i>	Essential Oil				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Hyptis suaveolens</i>	Shoot		240.0	-0.04038227118444531	Mallavarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of <i>Hyptis suaveolens</i> (L.) Poit. <i>J. Ess. Oil Res.</i> 5: 321.
<i>Hyptis suaveolens</i>	Shoot		240.0	-0.04038227118444531	Mallavarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of <i>Hyptis suaveolens</i> (L.) Poit. <i>J. Ess. Oil Res.</i> 5: 321.
<i>Hyssopus officinalis</i>	Shoot		90.0	-0.2000946420151711	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hyssopus officinalis	Shoot		80.0	-0.21074213340388603	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		80.0	-0.21074213340388603	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		70.0	-0.2213896247926011	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		280.0	0.0022076943704149006	Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two <i>Hyssopus officinalis</i> cultivars. J. Ess. Oil Res. 5: 609-611.
Hyssopus officinalis	Flower	10.0	100.0	-0.43270519325643764	--
Hyssopus officinalis	Shoot		110.0	-0.178799659237741	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		150.0	-0.1362096936828808	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		90.0	-0.2000946420151711	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot		250.0	-0.02973477979573026	Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two <i>Hyssopus officinalis</i> cultivars. J. Ess. Oil Res. 5: 609-611.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Hyssopus officinalis</i>	Shoot		110.0	-0.178799659237741	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
<i>Hyssopus officinalis</i>	Shoot		110.0	-0.178799659237741	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
<i>Hyssopus officinalis</i>	Leaf	28.0	380.0	-0.019095817088093343	--
<i>Illicium verum</i>	Fruit	1.0	20.0	-0.5293209898523012	--
<i>Juniperus virginiana</i>	Leaf				--
<i>Juniperus communis</i>	Fruit Essent. Oil				--
<i>Juniperus communis</i>	Fruit	172.0	2700.0	0.3124331852362114	--
<i>Juniperus communis</i>	Leaf Essent. Oil				--
<i>Juniperus communis</i>	Essential Oil		76000.0	-0.05757229883510122	--
<i>Laurus nobilis</i>	Leaf Essent. Oil	42000.0	82900.0	0.7545516886727462	--
<i>Laurus nobilis</i>	Leaf	25.0	2650.0	1.4272110708644	--
<i>Lavandula angustifolia</i>	Flower				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Lavandula x intermedia</i>	Plant	6.0	20.0	-0.4396605854624306	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Lavandula x hybrida</i>	Shoot	155.0	235.0	-0.04570601687880284	Tucker, A.O., Maciarelli, M.J., Angell, S., Espaillat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445.
<i>Lavandula latifolia</i>	Plant	0.0	55.0	-0.41422567555964535	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Leonotis leonurus</i>	Se		1.0		Pedro, L.G., Barroso, J.G., Marques, N.T., Ascensao, L., Pais, M.S.S. and Scheffer, J.J.C. 1991. Composition of the Essential Oil from Sepals of <i>Leonotis leonurus</i> R. Br. J. Ess. Oil Res. 3: 451-3
<i>Lindera benzoin</i>	Fruit	5.0	8.0	-0.5330900383974737	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Lindera benzoin</i>	Twig	41.0	54.0	--	--
<i>Lindera benzoin</i>	Leaf		0.03	-0.26118975022259067	--
<i>Litsea glaucescens</i>	Shoot	235.0	340.0	0.06609264270270522	Tucker, et al, EB46(1):21-24.1992
<i>Lycopus uniflorus</i>	Plant	3.0	9.0	-0.4476544142890202	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Magnolia denudata</i>	Twig			--	--
<i>Magnolia denudata</i>	Bulb			--	--
<i>Magnolia denudata</i>	Leaf			--	--
<i>Magnolia denudata</i>	Bark			--	--
<i>Magnolia denudata</i>	Flower			--	--
<i>Marrubium vulgare</i>	Essential Oil			--	--
<i>Marrubium vulgare</i>	Plant			--	--
<i>Melaleuca alternifolia</i>	Leaf	12.0	30.0	-0.2420946764640284	--
<i>Melaleuca alternifolia</i>	Root Essent. Oil		491400.0	1.0	--
<i>Melaleuca alternifolia</i>	Essential Oil			--	--
<i>Mentha longifolia</i>	Shoot	20.0	750.0	0.5026397896400224	--
<i>Mentha aquatica</i>	Shoot		15.0	-0.2799508274305339	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
<i>Mentha pulegium</i>	Essential Oil	1500.0	7000.0	-0.5464939750962685	--
<i>Mentha aquatica</i>	Shoot		10.0	-0.2852745731248914	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
<i>Mentha spicata</i>	Essential Oil			--	--
<i>Mentha spicata</i>	Leaf				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Mentha aquatica</i>	Shoot		7.0	-0.2884688205415059	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
<i>Mentha aquatica</i>	Shoot		35.0	-0.25865584465310376	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
<i>Mentha pulegium</i>	Plant	8.0	140.0	-0.3524551800814526	--
<i>Mentha aquatica</i>	Shoot		35.0	-0.25865584465310376	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419.
<i>Mentha x piperita</i>	Essential Oil				--
<i>Micromeria myrtifolia</i>	Shoot		0.1	-0.2958155895997193	Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of <i>Micromeria myrtifolia</i> Boiss. et Hohen. <i>J. Ess. Oil Res.</i> , 4: 79-80.
<i>Micromeria teneriffae</i>	Leaf		230.0	-0.11466675682063694	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria croatica</i>	Leaf		1.0	-0.26057172481232016	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria varia</i>	Shoot		205.0	-0.077648491044948	--
<i>Micromeria congesta</i>	Leaf	40.0	55.0	-0.22616618650860448	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria fruticosa</i>	Shoot		100.0	-0.18944715062645606	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res</i> 3: 477-479.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Micromeria varia</i>	Shoot		205.0	-0.077648491044948	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. & Fragr. J.</i> 10(3): 199-202.
<i>Micromeria fruticosa</i>	Shoot		100.0	-0.18944715062645606	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res</i> 3: 477-479.
<i>Minthostachys mollis</i>	Shoot	1.0	2.0	-0.2937925662358635	Alkire, B.H., Tucker, A.O., and Maciarello, M.J. 1994. <i>Typo</i> (<i>Minthostachys mollis</i> (Lamiaceae): An Ecuadorian Mint. <i>Econ. Bot.</i> 48(1): 60-64.
<i>Moldavica thymiflora</i>	Plant		8.0	-0.4483811260005284	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda fistulosa</i>	Plant	1.0	93.0	-0.38661063052233563	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda didyma</i>	Flower		18.0	-0.7425901351518777	Flavour and Fragrance Journal, 6: 80.
<i>Monarda punctata</i>	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda didyma</i>	Plant	35.0	1230.0	0.43966058546243075	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda media</i>	Plant		1442.0	0.5937234683021585	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Monarda didyma</i>	Leaf	100.0	180.0	-0.1465237367314848	--
<i>Murraya koenigii</i>	Leaf	0.0	11700.0	7.193324434727864	--
<i>Myristica fragrans</i>	Seed	5420.0	62400.0	2.448238521283371	--
<i>Myristica fragrans</i>	Essential Oil	210000.0	420000.0	2.3799502610756456	--
<i>Myristica fragrans</i>	Seed Essent. Oil	178000.0	507000.0	2.2344499180505175	--
<i>Myrtus communis</i>	Shoot	0.4	3.0	-0.29272781709699197	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Nepeta racemosa	Shoot		1.0	-0.294857315374735	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7.
Nepeta racemosa	Shoot		1.0	-0.294857315374735	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7.
Ocimum basilicum	Essential Oil		2500.0	-0.5783801713741707	--
Ocimum gratissimum	Shoot		17.0	-0.2778213291527909	Vostrowsky, O., Garbe, W., Bestmann, H.J. and Maia, J.G.S. 1990. Essential Oil of Alfavaca, Ocimum gratissimum, from Brazilian Amazon. Zeitschr. Naturforschung 45(C): 1073-6.
Ocimum basilicum	Shoot Essent. Oil	3100.0	3500.0	-0.7938224515162632	--
Ocimum gratissimum	Plant	10.0	60.0	-0.4105921170021046	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Ocimum basilicum	Leaf Essent. Oil	2000.0	3900.0	-0.5747006667443069	--
Ocimum basilicum	Plant		8.0	-0.4483811260005284	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
Oenanthe aquatica	Fruit				--
Origanum minutiflorum	Shoot	5.0	15.0	-0.2799508274305339	Baser, K.H.C., Tumen, G., Sezik, E. 1991. The Essential Oil of Origanum minutiflorum O. Schwarz and P.H. Davis. J. Ess. Oil Res. 3: 445-446.
Origanum onites	Shoot		0.1	-0.2958155895997193	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Frag. J. 8: 331-7.
Origanum vulgare	Plant		35.0	-0.4287599097898083	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Origanum majorana	Plant	75.0	7500.0	4.99614301661853	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum vulgare	Plant		7.0	-0.4491078377120365	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431.
Origanum sipyleum	Shoot		33.0	-0.2607853429308468	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
Origanum vulgare	Shoot Essent. Oil	400.0	14700.0	1.4105109675702203	--
Origanum majorana	Essential Oil		82000.0	-0.015057370464564934	--
Origanum vulgare	Plant	50.0	2096.0	1.0689929276284884	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Origanum sipyleum	Shoot		100.0	-0.18944715062645606	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
Origanum sipyleum	Shoot		75.0	-0.21606587909824357	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
Origanum majorana	Leaf Essent. Oil		30000.0	-0.13554261008120452	--
Origanum vulgare	Plant		20.0	-0.4396605854624306	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431.
Origanum sipyleum	Shoot		75.0	-0.21606587909824357	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
Origanum vulgare	Plant	50.0	2096.0	1.0689929276284884	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pastinaca sativa	Root				--
Pelargonium graveolens	Essential Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Perilla frutescens	Leaf Essent. Oil		4000.0	-0.5730180688260574	Kang, R., Helms, R., Stout, M.J., Jaber, H., Chen, Z., and Nakatsu, T. 1992. Antimicrobial Activity of the Volatile Constituents of <i>Perilla frutescens</i> and Its Synergistic Effects with Polygodial. <i>J. Agric. Food Chem.</i> , 40: 2328-2330.
Perilla frutescens	Shoot Essent. Oil				Nguyen, X. D., La, D. M., Lu'u, D. C., Leclercq, P. A. 1995. Essential Oil Constituents from the Aerial Parts of <i>Perilla frutescens</i> (L.) Britton. <i>J. Essent. Oil Res.</i> , 7(4): 429-432.
Petroselinum crispum	Leaf		0.54	-0.2608648090275	--
Petroselinum crispum	Seed Essent. Oil		17000.0	-0.4094438152245345	--
Petroselinum crispum	Seed	1.0	1190.0	-0.3863132836596433	--
Petroselinum crispum	Fruit Essent. Oil		10400.0	-0.6587030409909505	--
Peumus boldus	Leaf	1.6	200.0	-0.13378094476714567	--
Pilocarpus microphyllus	Leaf		90.0	-0.203866300571011	--
Pimenta dioica	Leaf Essent. Oil				--
Pimenta racemosa	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pimenta dioica	Plant				--
Pimpinella anisum	Seed		1.0	-0.44137425565894484	--
Pimpinella anisum	Fruit		1.0	-0.5352886500488243	--
Pinus sylvestris	Essential Oil				--
Pinus sylvestris	Leaf Essent. Oil		4500.0	-0.5646050792348103	--
Pinus sylvestris	Leaf				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Piper nigrum	Fruit Essent. Oil	85000.0	204000.0	0.47619676977008224	--
Piper cubeba	Fruit	4600.0	9200.0	2.3540011472046185	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Piper cubeba	Fruit Essent. Oil	7000.0	470000.0	2.0355115924066247	--
Piper auritum	Leaf				Tramil

Plant	Part	Low PPM	High PPM	StdDev	Reference
Piper nigrum	Seed Essent. Oil				--
Piper nigrum	Fruit	1500.0	10000.0	2.605271050216115	--
Porophyllum ruderale	Plant	1925.0	2885.0	1.6423684680084183	Loayza, I., de Groot, W., Lorenzo, D. et al. 1999. Composition of the essential oil of <i>Porophyllum ruderale</i> (Jacq.) Cass. from Bolivia. <i>Flav. & Fragr.</i> J. 14: 393-8.
Pycnanthemum muticum	Shoot	1.0	50.0	-0.2426846075700312	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum incanum	Shoot	11.0	38.0	-0.25546159723648926	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum curvipes	Shoot		21.0	-0.27356233259730484	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum beadlei	Shoot		7.0	-0.2884688205415059	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum virginianum	Shoot	1.0	6.0	-0.2895335696803774	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum tenuifolium	Shoot	1.0	360.0	0.08738762548013533	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum pilosum	Leaf	10.0	70.0	-0.21660909253535013	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum montanum	Shoot	147.0	168.0	-0.11704420918319369	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum clinopodioides	Shoot	21.0	242.0	-0.0382527729067023	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum albescens	Shoot	160.0	540.0	0.2790424704770063	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum verticillatum	Shoot		21.0	-0.27356233259730484	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum setosum	Shoot	300.0	465.0	0.19918628506164338	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum pilosum	Flower	10.0	70.0	-0.5460777329742815	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum loomisii	Shoot	4884.0	7224.0	7.395825714694148	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pycnanthemum californicum</i>	Shoot		180.0	-0.10426721951673563	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum torreyi</i>	Shoot		10.0	-0.2852745731248914	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Pycnanthemum pycnanthemosides</i>	Shoot	39.0	1856.0	1.6802523372319074	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ribes nigrum</i>	Bud			--	
<i>Rosmarinus officinalis</i>	Resin, Exudate, Sap			--	
<i>Rosmarinus eriocalyx</i>	Shoot		0.1	-0.2958155895997193	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
<i>Rosmarinus officinalis</i>	Shoot	19.0	75.0	-0.21606587909824357	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
<i>Rosmarinus x lavandulaceus</i>	Shoot	0.1	295.0	0.01817893145348748	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
<i>Rosmarinus officinalis</i>	Shoot Essent. Oil		4400.0	-0.6166885160539565	--
<i>Rosmarinus officinalis</i>	Shoot		4.0	-0.29166306795812047	Tucker, A. O. and Maciarello, M. J. 1998. The essential oils of some rosemary cultivars. Flavor and Fragrance Journal, 1: 137-142. 1986.
<i>Rosmarinus tomentosus</i>	Shoot	0.1	20.0	-0.27462708173617634	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosmarinus eriocalyx	Shoot				Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Rosmarinus officinalis	Leaf Essent. Oil				--
Rosmarinus officinalis	Shoot				Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Rosmarinus officinalis	Plant	0.1	190.0	-0.3161195945060451	--
Rosmarinus x mendizabalii	Shoot		0.1	-0.2958155895997193	Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246.
Salvia officinalis	Leaf Essent. Oil		2000.0	-0.6066700271910461	--
Salvia dorisiana	Shoot	1.8	2.4	-0.2933666665803149	Tucker, A.O. & Maciarello, M.J. 1994. The Essential Oil of Salvia dorisiana Standley. J. Ess. Oil Res. 6: 97-8.
Salvia officinalis	Leaf	10.0	56.0	-0.22552904691038753	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Salvia officinalis	Essential Oil		1200.0	-0.5875917391877868	--
Salvia canariensis	Leaf		0.1	-0.2611451504507155	Casnigueral,S., Iglesias,J., Vila,R., Virgili,A. and Ibanez,C.1994. The Essential Oil from Leaves of Salvia canariensis L. Flav. & Frag. J. 9:201-204. S. Canigueral, Facultat de Farmacia, Universitat de Barcelona, Ave.Diagonal 643,E-08028, Barcelone Spain
Sassafras albidum	Leaf	0.0	0.3	-0.2610177225310721	--
Satureja hortensis	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Satureja douglasii</i>	Plant		26.0	-0.4353003151933817	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Satureja grandiflora</i>	Shoot		15.0	-0.2799508274305339	Carnat, A., Chossegros, A., and Lamaison, J. 1991. The Essential Oil of <i>Satureja grandiflora</i> (L.) Scheele from France. <i>J. Ess. Oil Res.</i> , 3: 361-362
<i>Satureja obovata</i>	Leaf		65.0	-0.2197947905264349	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83.
<i>Satureja obovata</i>	Leaf		65.0	-0.2197947905264349	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83.
<i>Satureja cuneifolia</i>	Shoot		5.0	-0.29059831881924897	Tumen, G. 1991. The Volatile Constituents of <i>Satureja cuneifolia</i> . <i>J. Ess. Oil Res.</i> , 3: 365-366.
<i>Satureja obovata</i>	Leaf				Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83.
<i>Satureja montana</i>	Plant		1.0	-0.45346810798108544	--
<i>Satureja cilicica</i>	Shoot		2.0	-0.2937925662358635	Tumen, G. Baser, K.H.C. and Kirimer, N. 1993. The Essential Oil of <i>Satureja cilicica</i> P.H. Davis. <i>J. Ess. Oil Res.</i> 5: 547-548.
<i>Satureja obovata</i>	Shoot	1.0	190.0	-0.09361972812802058	Fitoterapia No.60: 277.
<i>Satureja obovata</i>	Leaf				Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83.
<i>Sideritis mugronensis</i>	Flower	85.0	670.0	1.721373061382597	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of <i>Sideritis mugronensis</i> Flower and Leaf. <i>J. Ess. Oil Res.</i> , 3: 395-397.
<i>Sideritis pauli</i>	Shoot		95.0	-0.1947708963208136	Burzaco, A., Velasco-Negueruela, A. and Perez-Alonso, M.J. 1992. Essential Oil Analysis of <i>Sideritis pauli</i> Pau. <i>FFJ7</i> : 47-8. 1992.
<i>Sideritis germanicolpitana</i>	Plant	87.0	693.0	0.049416396382554344	<i>J. Essential Oil</i> , 4: 533.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Sideritis mugronensis</i>	Leaf	15.0	170.0	-0.15289513271365437	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of <i>Sideritis mugronensis</i> Flower and Leaf. <i>J. Ess. Oil Res.</i> , 3: 395-397.
<i>Sideritis athoa</i>	Shoot		7.0	-0.2884688205415059	Ozek, T., Baser, K.H.C. and Tumen, G. 1993. The Essential Oil of <i>Sideritis athoa</i> Papanikolaou Et Kokkini. <i>J. Ess. Oil Res.</i> 5: 669-670.
<i>Stachys germanica</i>	Plant		14.0	-0.4440208557314795	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Stevia rebaudiana</i>	Leaf				Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. <i>Stevia. The genus Stevia</i> . Taylor & Francis. New York, NY. 211 pp.
<i>Stevia rebaudiana</i>	Flower				Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. <i>Stevia. The genus Stevia</i> . Taylor & Francis. New York, NY. 211 pp.
<i>Tagetes minuta</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Tagetes minuta</i>	Leaf Essent. Oil				Zygadlo, J. S., Guzman, C. A., Grossi, N. R. 1994. Antifungal Properties of the Leaf Oils of <i>Tagetes Minuta</i> L. and <i>T. filifolia</i> Lag. <i>J. Essent. Oil Res.</i> 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
<i>Tagetes filifolia</i>	Leaf Essent. Oil				Zygadlo, J. S., Guzman, C. A., Grossi, N. R. 1994. Antifungal Properties of the Leaf Oils of <i>Tagetes Minuta</i> L. and <i>T. filifolia</i> Lag. <i>J. Essent. Oil Res.</i> 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
<i>Tagetes minuta</i>	Fruit Essent. Oil		2200.0	-0.7067721445459115	--
<i>Tagetes minuta</i>	Flower Essent. Oil		1800.0		--
<i>Tanacetum parthenium</i>	Shoot		5.0	-0.29059831881924897	Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of <i>Tanacetum parthenium</i> (L.) Schultz-Bip. <i>Flavor and Fragrance Journal</i> 11(6): 367-71.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tanacetum parthenium	Essential Oil				--
Tanacetum vulgare	Plant	12.0	700.0	0.05450337836311139	--
Tanacetum parthenium	Fruit Essent. Oil		1000.0	-0.7138066475051742	--
Teucrium kotschyanum	Leaf		36.0	-0.23827183887472667	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
Teucrium cyprium	Leaf		2770.0	1.503667822650435	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
Teucrium asiaticum	Shoot		0.1	-0.2958155895997193	Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9.
Teucrium oxylepis	Shoot		3.47	-0.2922273850017223	Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9.
Teucrium pseudoscorodonia	Shoot				Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9.
Teucrium gnaphalodes	Shoot		44.0	-0.24907310240326022	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian Teucrium Species. <i>J. Ess. Oil Res.</i> 5: 397-402.
Teucrium scorodonia	Shoot				Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9.
Teucrium oxylepis	Shoot		0.9	-0.29496379028862213	Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Teucrium micropodioides</i>	Leaf		165.0	-0.1560808307047392	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
<i>Teucrium divaricatum</i>	Leaf		3.0	-0.25929744561588625	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
<i>Teucrium polium</i>	Shoot		36.0	-0.25759109551423226	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian <i>Teucrium</i> Species. <i>J. Ess. Oil Res.</i> 5: 397-402.
<i>Teucrium salviastrum</i>	Shoot				Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9.
<i>Thuja occidentalis</i>	Branches				--
<i>Thymus x citriodorus</i>	Plant		10.0	-0.4469277025775121	Stahl-Biskup, E. and Holthuijen, J. 1995. Essential oil and glycosidally bound volatiles of lemon-scented thyme, <i>Thymus x citriodorus</i> (Pers.) Schreb. <i>Flav. & Fragr. J.</i> 10: 225-229.
<i>Thymus zygis</i>	Shoot		0.1	-0.2958155895997193	Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. Thymus zygis Oil: Its Effects on CCl4-Induced Hepatotoxicity and Free Radical Scavenger Activity. <i>JEO5</i> : 153-8.
<i>Thymus zygis</i>	Shoot	0.1	40.0	-0.25333209895874625	De Cunha, A.P. and Salguiero, L.R. 1991. The Chemical Polymorphism of <i>Thymus zygis</i> ssp. <i>sylvestris</i> from Central Portugal. <i>J. Ess. Oil Res.</i> 3: 409-12.
<i>Thymus longicaulis</i>	Shoot		0.0	-0.2959220645136065	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus mastichina</i>	Plant	80.0	110.0	-0.3742565314266971	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Thymus funkii</i>	Shoot		280.0	0.0022076943704149006	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. Flav. & Fragr. J. 10(6): 379-383.
<i>Thymus longicaulis</i>	Shoot		0.0	-0.2959220645136065	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. J. Ess. Oil Res. 5: 291-5.
<i>Thymus capitatus</i>	Shoot		4.0	-0.29166306795812047	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Fragr. J. 8: 331-7.
<i>Thymus riatarum</i>	Shoot		0.1	-0.2958155895997193	Iglesias, J., Vila, R., Canigueral, S., Bellakdhar, and II Idrissi, A. 1991. Analysis of the Essential Oil of <i>Thymus riatarum</i> . J. Ess. Oil Res. 3: 43-4.
<i>Thymus funkii</i>	Shoot		280.0	0.0022076943704149006	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. Flav. & Fragr. J. 10(6): 379-383.
<i>Thymus longicaulis</i>	Shoot		185.0	-0.0989434738223781	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. J. Ess. Oil Res. 5: 291-5.
<i>Thymus serpyllum</i>	Plant	1.0	19.0	-0.4403872971739387	--
<i>Thymus capitatus</i>	Plant	1.0	10.0	-0.4469277025775121	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Trichostemma dichotomum</i>	Shoot		430.0	0.1619200652011407	Tucker, A.O. and Maciarelli, M.J. 1990. The Essential Oil of <i>Trichostemma dichotomum</i> . J. Ess. Oil Res. 2: 149-150.
<i>Umbellularia californica</i>	Plant	480.0	1920.0	0.9410916664030541	--
<i>Valeriana officinalis</i>	Leaf Essent. Oil	1200.0	13600.0	-0.41148866867411177	--
<i>Valeriana officinalis</i>	Leaf	3.0	345.0	-0.041395703025686854	Father Nature's Farmacy: The aggregate of all these three-letter citations.
<i>Vitex agnus-castus</i>	Flower				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vitex agnus-castus	Leaf Essent. Oil		191600.0	2.583535625809881	Jim Duke's personal files.
Vitex agnus-castus	Leaf		25.0	-0.2452803744551132	Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntiemein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of Vitex agnus-castus L. J. Essential Oil Research, 2: 115-119.
Vitex agnus-castus	Fruit	80.0	800.0	-0.2843328344160924	--
Zanthoxylum alatum	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Zingiber officinale	Rhizome Essent. Oil		700.0		--
Zingiber officinale	Rhizome		20.0		--